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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,464	04/08/2004	Graeme Storm	02EDI46652637	7257
27975 7590 03/17/2008 ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST P.A. 1401 CITRUS CENTER 255 SOUTH ORANGE AVENUE P.O. BOX 3791 ORLANDO, FL 32802-3791				
EXAMINER QUIETT, CARRAMAH J				
ART UNIT 2622		PAPER NUMBER		
NOTIFICATION DATE 03/17/2008		DELIVERY MODE ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

creganoa@addmg.com

Response to Amendment

1. The amendment(s), filed on 02/19/2008, have been entered and made of record. Claims 14-36 are pending.

Response to Arguments

2. Applicants' arguments filed 02/19/2008 have been fully considered but they are not persuasive.

In the Final Office Action mailed 12/17/2007, Examiner rejected independent claims 14, 21, and 31 under 35 U.S.C. 103(a) as being unpatentable over Tu et al. entitled "CMOS Active Pixel Image Sensor with Combined Linear and Logarithmic Mode Operation" (herein referred to as *Tu*) in view of Serizawa et al. (U.S. Pat. #6,593,970 – herein referred to as Serizawa). Applicants asserts that the cited references, do not overcome the claimed invention because Serizawa does not teach the limitation, "said first and second output circuits *sequentially* providing the linear and logarithmic output signals." Particularly, the Applicants state that there is no mention of a logarithmic output in Serizawa -- instead, Serizawa discloses linear and non-linear output and fails to disclose that the non-linear output is logarithmic output.

Respectfully, the Examiner disagrees. Serizawa teaches alternatively generating a long exposure video signal and a short exposure video substantially at the same time (at slightly different timings, i.e., consecutive two frames). As shown in figs. 3A to 3E of Serizawa, the short exposure video signal is synchronized with the long exposure video signal and vice versa. In order to generate superior dynamic range video, Serizawa's invention adjusts the difference between *gains* of the long and short video signals (as shown in figs. 6A to 6C). Please read Serizawa, col. 8, lines 12-20; col. 8, lines 40-55; col. 9, lines 34-59; and col. 10, lines 5-26.

Additionally, the primary reference, Tu, teaches that long exposure (large dynamic range) is considered to be a logarithmic mode. Please read Tu, pages 755-756. Accordingly, the Examiner maintains the rejection to claims 14-16, 21-26, and 31-33.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARRAMAH J. QUIETT whose telephone number is (571)272-7316. The examiner can normally be reached on 8:00-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NgocYen Vu can be reached on (571) 272-7320. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. J. Q./
Examiner, Art Unit 2622
March 4, 2008

/Ngoc-Yen T. VU/
Supervisory Patent Examiner, Art Unit 2622